

# Tallow increases yield of veal calves

BELTSVILLE, Md. - Adding tallow or tallow plus cholesterol to the diets of veal calves significantly increases the amount of veal the calves produce. Veal calves fed tallow plus cholesterol were 42 pounds heavier at slaughter than calves fed whole milk, in a study by scientists of USDA's Science and Education Administration (SEA).

Randall Wrenn and his colleagues at SEA's Beltsville Agricultural Research Center in Maryland compared the weight gains of 37 Holstein calves fed one of five diets. The calves were in individual stalls and fed from nipple pails from three to 117 days of age. Diets were fed at 10 per cent of body weight and consisted of skim milk plus one of five sources of additional calories. Diets and weight gains were as follows:

- \* Skim milk plus seven per cent tallow and 0.2 per cent cholesterol (152 pounds)
- \* Skim milk plus seven per cent tallow (148 pounds)
- \* Skim milk plus 3.5 per cent tallow and 0.2 per cent cholesterol (126 pounds)
- \* Whole milk (skim milk

plus 3.5 per cent butterfat) (108 pounds)

\* Skim milk plus 3.5 per cent tallow (106 pounds)

The number of calories consumed by the calves paralleled weight gains, with calves fed seven per cent tallow and 0.2 per cent cholesterol consuming the most calories and calves fed the 3.5 per cent tallow consuming the least number of calories.

Yield of trimmed veal was 19 per cent more on the seven per cent tallow-0.2 per cent cholesterol diet and 14 per cent more on the 7 per cent tallow diet than the yield of trimmed veal from calves fed either whole milk or 3.5 per cent tallow. The addition of cholesterol to the diets of the calves did not measurably alter the cholesterol content of the veal.

Since whole milk and milk replacers are generally expensive in relation to the price of veal, the feeding of veal calves has declined in recent years. A less expensive feed could help increase veal production.

"Liquid tallow is an excellent ingredient in the diets of veal calves," says Wrenn.

"These diets work well for calves that are kept on liquid diets and on slatted or wire mesh floors. In a previous study, tallow was not useful in the diets of calves that were fed a calf starter and were ruminating."

"Diet preparation is relatively simple. Pure cholesterol is a white powder and can be readily mixed with liquids. However, cholesterol is too expensive for practical use. Tallow on the other hand is comparatively cheap, costing

only about 20 cents per pound, and is readily available. Tallow can be obtained as a solid in large drums, melted and then put into large feeders to which a stirrer has been attached. The stirrer would keep the tallow combined with the skim milk. Another option for dairymen is to have a local dairy plant run the skim milk and the tallow through their homogenizer."

The Beltsville Agricultural Research Center is a facility of USDA's Science and Education Administration.

## PUBLIC AUCTION

**375 - 425 FEEDER PIGS  
SATURDAY, MAY 19**

At 1:00 P.M.

LOCATION: Between Wolmelsdorf and Myerstown along route 422, at Stouchburg, take Scharff Road south 1 mile to third farm on left. 1/2 mile north of Sheridan Furnace. Marion Township, Berks County, Penna.

**30 - 60 POUND CHOICE FEEDER PIGS  
HAMPSHIRE-YORK-DUROC CROSS**

All pigs are vaccinated for Erysipelas, castrated young, wormed, tails cropped, sprayed for mange and lice. All pigs were raised on this farm. No outside pigs will be sold on this auction. NOTE: Auction time is 1:00 P.M.

Terms by:

**WALTER M. HORST  
R.D. #1  
Newmanstown, Pa.  
215-589-2282**

Auction Conducted By:  
John E. and Paul E. Martin, Auctioneers  
717-733-3511-717-733-3305

## PUBLIC SALE

**OF ANTIQUES, HOUSEHOLD  
GOODS, FARM EQUIPMENT,  
TRUCK & BOAT  
THURSDAY, MAY 24**

AT 9:00 A.M.

Loc. along Prospect Road, R.D. #1 Washington Boro, Manor Twp., Lanc. Co., Pa. (take Rt. 999 about 5 miles west of Millersville to Prospect Road; turn right; go about 1 mile to sale).

Lots of fine furniture in: oak, plant bottom, cherry, walnut, mahg., empire, maple, uph. etc. Philco Chest freezer, GE solid state stereo, Lg. & sm. crocks & jugs. Tin, brass, iron, tolewar & wooden articles. Old quilts, Glassware & China in: Bennington, spatter, S. Temple, carnival, tealeaf luster, heisey, blue milk glass, pressed, Nippon, Japan, German, apple green, ironstone, milk glass, & other glassware & china. Household articles. 1959 Chevy 6 ton dump truck, 1948 Willy Jeep, 16' Quachita & 16' fiberglass boats both w/motor & trailers. Century trailer sprayer, J.D. corn binder, McDeering & JD side delivery rakes, & other farm equipment. Hand & garden tools. NO OUT OF STATE CHECKS ACCEPTED. Food served.

Sale by

**MR. & MRS. WARREN N. HEISEY**

Auctioneers  
Howard Shaub, 464-3541  
and Roy C. Probst 464-3190

## PUBLIC SALE

**VALUABLE MOUNTAIN LAND  
FRIDAY EVENING,  
MAY 18,**

At 6:30 P.M.

Sale will be held at the Brush Valley Menonite Church parking lot, located about 8 miles East of Centre Hall, Pa. along route 192.

A tract of mountain land (no buildings) containing 187 acres more or less w/some saw timber and some of the best hunting in Central Pa. The tract is located in Centre Co., Gregg Township, about 1 1/2 miles North of church at the end of a dirt road. For more details see tract no. 2 in deed book 358-Page 336 in Centre Co. recorders office.

Terms - 10 Percent down, balance upon delivery of deed within 30 days. Reserve the right to accept or reject any or all bids.

**SETH W. HOCK, JR.  
McConallsburg, Pa.  
717-485-3336 after 4 P.M.**

Mark Glick - Auctioneer  
Reedsville, Pa.

## PUBLIC SALE

**VALUABLE BARN, FARM  
MACHINERY, ORCHARD EQUIP. &  
PERSONAL PROPERTY  
SATURDAY, MAY 19**

At 9:30 A.M.

Located along route 24, 1/2 mile northeast of Red Lion, 4 mile east of York, across from Hickey Toyota Auto Sales. Windsor Twp., York Co., Pa.

**BARN**

36' x 36' barn with tongue grooved siding, good framing lumber to be torn down and moved. Will be sold at 2:00 P.M.

**FARM MACHINERY**

Farmall B tractor w/cultivators, John Deere M tractor w/cultivators & plow, J.D. 3 pt. 2 bottom plow, walking plow, 3 disc harrows one on rubber, cultipacker, New Idea side rake, 3 pt. dirt scoop, mounted J.D. tractor mower, IHC baler, mowers, rubber tire wagon, 5' Bushhog mower, 3 one row corn planters, 3 pt. hitch corn planter, corn picker, Fauquier one row potato planter, J.D. potato digger, small orchard sprayers some w/good piston pumps, corn grinder, David Bradley garden tractor w/equipment, 2 cyd. Wisconsin motor, portable corn crib, metal building, lots of building material, 5 new closet doors w/frames, 5 new single doors w/frames, 2 alum. storm doors, cement blocks, bricks, hay, straw, iron hog troughs, scalding trough, harness, canvass, Lincoln port. DC welder w/Wisconsin 2 cyd. engine on trailer, anvil, black smith forge, acetylene torch small tanks, air compressor, spray run, 1 1/2 ton chain hoist, post vices, roto tiller, mulch shredder w/1 1/2 h.p. elec. motor, elec. lawn mower, boiler for hothouse, coal stove, garden & orchard equipment, hand & garden tools, new bags & plastic jugs, new window glass, orchard baskets, cider barrels, cider press, apple boxes, cash register, platform scales, chains, ladders, cross cut saw, table saw, chain saw, circular saw, tobacco lath, bee supplies, coal truck bed, lots of scrap iron & small motors, lots and lots of misc. items. Not responsible for accidents. Refreshments served. Terms Cash or Approved Check.

**MRS. CLOVIS KISER  
R.D. #2  
Red Lion, Pa.  
Ph. 244-8602**

Reynold Burke, Auct.  
Dean Burke, Clerk

## ALVA L. SAUFLEY ESTATE 130 ACRE FARM REAL ESTATE FARM MACHINERY — VEHICLES HOUSEHOLD GOODS — ANTIQUES SATURDAY, MAY 26

9:30 A.M.

Located at route 2 Hummelstown, Dauphin County, Penna. Turn south off rt. 22 onto rt. 39 for 1 1/2 miles to Hanoverdale Church of the Brethren and turn left onto Devonshire Road and continue to farm or take rt. 39 north from Hershey to the church and turn right and continue to the farm. Appx. 3 mi. N. of Hershey, 12 mi. E. of Harrisburg or 3 mi. S. of 181.

Farmers, investors and others. Here is a unique opportunity to purchase some prime real estate which can be used for farming, recreation or hunting or a retirement estate in a quiet, serene country atmosphere within minutes of Harrisburg and other points of interest.

Large 4 bedroom farm house built around 1740 by German settlers. From large front porch which provides an excellent view of the area you enter a large central hallway which leads to an open stairway. Large modern kitchen and adjoining family room with wall to wall carpet with corner fireplace. To left of hallway is living room and an office with a corner fireplace (inoperative). Home is of very solid construction with alum. siding and storm windows. Property heated by oil hot water. Adjoining main home is 3 bedroom tenant house.

Large 3 acre stocked, spring fed pond which is a great asset and a tremendous value to any property. Manada Gap creek flows through property. Appx. 25 acres of woodland, 70 acres tillable and the balance in pasture.

Large bank barn which was last used as a beef raising operation. Barnyard in front has catch chute and scale both under roof. Other improvements include comb. storage and machinery shed, round grain bin and an open front building with fenced runways. Barn and similar building in need of some repairs.

For inspection call 717-566-2993 for an inspection. Terms to be 10% down and the balance in 30 days. Write or call auct. for detailed brochure. Real estate to be offered at 1:00.

**FARM MACHINERY**

Int. 444 Diesel with 2000 loader; Farmall H tractor; Co-op Es tractor; New Holland 327T manure spreader; 9' transport disc harrow; Snyder 200 gal. sprayer with 20' boom; JD 240 3 pt. rear blade; JD 2 row 3 pt. corn planter; JD 13 disc grain drill; Ford 14-80 pto baler; Int. 309A 3 bot. 3 pt. plow; 22' Smoker elevator; NH semi-mount grass mower; NH 460 mower conditioner; NH 55 side rake; 2 wheel grain cart with rear auger; Oliver 2 bot. trailer plow; McCormick drill (parts); 3 flat bed wagons; lime broadcaster; Farmall cultivators; peg harrow; 3 and 4 section harrows; 2 wheel rotary mower; post hole digger; cultipacker; 2 row 3 pt. scorer and 300' of 2" irrigation pipe.

Large hay dryer fan with motor; Pride of the Ranch 4 hole calf feeder; 300 gal. fuel tank; implement swivel jack; fence chargers; cable; lots of scrap iron; tires; large dual squirrel cage fan; walnut and oak planks; animal dust bag; mineral feeder with wind top; feed carts; show box; fitting and showing supplies; 200 locust posts; Craftsman table saw; elec. welder; 22' alum. ext. ladder and 28' wooden ext. ladder.

Port. air compressor; elec. motors; small drill press; tool boxes; asst. hand tools inc. wrenches, hammers and other mechanics tools; pipe vise; screw jack; floor jack socket set; bolt cutter; Craftsman sander; Syracuse plow; milk cans; old hinges; beam scale; hyd. cylinder; water bowls and lots of other misc. farm related items.

**TRUCKS AND AUTOMOBILES**

1974 Dodge club cab 3/4 ton pickup truck camper special — loaded — less than 25000 miles; 1963 Metro walk in 130 series van with 58000 miles; 1967 Pont. Tempest with 55000 miles and 1948 Plymouth Special DeLuxe 4 door sedan.

**ANTIQUES AND HOUSEHOLD GOODS**

C roll secretary desk (needs repairs); oak furniture including desk, swivel chair; dresser, washstand, sideboard and small table; hanging lead shade (damaged); rope bed; folding room divider; wooden bench; base cabinet; high stool; Singer treadle machine; 2 single beds with box springs and mattresses; sofa; RCA record player; high chair; books; upright and chest freezer; Ashley stove; large mirror; asst. storage cupboards and other numerous household goods.

Sale Order — Small items, farm machinery, antiques & household goods.

Conditions by:

**LEE K. SAUFLEY**

Harry H. Bachman  
Auctioneer 717-867-1809  
138 College Ave.  
Annville, Penna. 17003  
Charles DeHart  
Attorney 717-232-7661

Lunch by Dauphin County Farm Women #2